

L4 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1976:18760 CAPLUS
DN 84:18760
TI Improved polyester films
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PA Toray Industries, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50115284	A2	19750909	JP 1974-22378	19740227 <--
	JP 58012151	B4	19830307		

PRAI JP 1974-22378 19740227

AB Poly(ethylene terephthalate) (I) [25038-59-9] film was coated with a composition containing ethylene glycol-isophthalic acid-polyethylene glycol-terephthalic acid polymer (II) [37308-12-6] or ethylene glycol-isophthalic acid-polyethylene glycol-sebacic acid-terephthalic acid polymer [56631-42-6] and an anionic surfactant to give antistatic film with improved receptance for mat finishing, magnetic coating, and vacuum deposition of copper [7440-50-8] or aluminum [7429-90-5]. For example, a I film was longitudinally stretched 330%, coated with a 4% aqueous II (polyethylene glycol content 40%) containing Na dodecylbenzenesulfonate to dry thickness 0.1 μ , stretched transversely 340% at 120°, and heat-treated at 200° to give a 30 μ -thick film with surface resistance 1011 Ω .